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TECHNOLOGY GROUP

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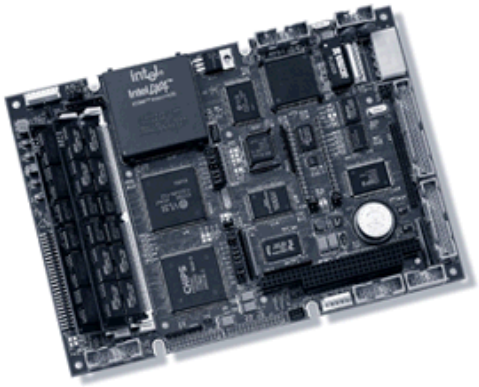
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Find the *Adastra Systems NPC-486* at our website: ***Click HERE***

NPC-486E

The NPC-46E is the cornerstone of a family of products targeting systems integrators and designers. Adastra Systems offers the high-end power of the NPC-466E, other single board computers, compatible peripheral and I/O adapters, development hardware, and software tools for a variety of applications.



APPLICATIONS

- Embedded Control
- Instrumentation
- Industrial Computers
- OEM Applications

FEATURES

- 486SX, 486DX, 486DX2, 486dx4 CPU
- Multiple clock speeds: 25MHz, 33MHz, 66MHz (DX2 internal), 100mhz (dx4 internal)
- Up to 32M bytes of RAM
- IDE hard disk controller
- Floppy disk controller
- 16-bit Ethernet interface
- Local-bus VGA display controller (CRT and flat-panel)
- 5.75" x 8" form factor
- PC/AT keyboard port
- Two DEEP-FIFO serial ports
- Bi-directional parallel port
- PS/2 mouse interface
- Battery backed real-time clock
- Watchdog timer
- ISA bus expansion (PC/104)
- Solid State Disk
- Power management support

SPECIFICATIONS

CORE PC/AT SYSTEM

- 80486 SX, DX, DX2, OR DX4 CPU
- 25 OR 33 MHZ SYSTEM CLOCK (66/100 INTERNAL), SOFTWARE CONTROLLED FOR POWER MANAGEMENT

- 1M, 2M, 4M, 8M, 16M, or 32M, @ 70ns DRAM
- Phoenix/AMI FLASH BIOS, shadow RAM operation
- (2) 82C37A DMA controllers, 82C54 counter/timer, (2) 82C59A interrupt controllers, 82C284 clock controller, 82C288 bus controller
- PC/AT keyboard controller
- PS/2 mouse interface
- MC146818 equivalent real-time clock
- 8 ohm, .5W speaker drive capability
- 765B floppy disk controller
- Western Digital compatible IDE controller
- (2) 16550 equivalent serial UARTs
- Bi-directional parallel port

VGA

- 32-BIT LOCAL BUS
- 24-BIT COLOR (TRUE-COLOR)
- OPTIONAL WINDOWS ACCELERATION HARDWARE
- 512K (OPTIONAL 1M) DISPLAY MEMORY
- LCD BIAS VOLTAGES AND POWER SEQUENCING
- RESOLUTIONS UP TO 1024x768x256
- SIMULTANEOUS FLAT PANEL AND CRT
- FULL MOTION VIDEO OVERLAY SUPPORT, FLAT PANEL AND CRT

NETWORK

- NE2100, 16-BIT, BUS-MASTERING ETHERNET
- PLUG-N-PLAY
- 10BASE-T AUI ON BOARD
- DRIVER SOFTWARE: NDIS, ODI, PACKET, MORE
- DESKTOP NOS SUPPORT: MICROSOFT, NOVELL, LANTASTIC, MORE
- UNIX SUPPORT: SCO, UNIXWARE, SOLARIS, BSDI, MORE
- REAL-TIME OS SUPPORT
- NETWORK BOOT: IBM, MICROSOFT, NOVELL, BOOTP

ADDITIONAL FUNCTIONS

- SOLID STATE DISK: OPTIONAL 1, 2, OR 4M FLASH ON-BOARD; PLUS (1) 32 PIN JEDEC SOCKET (EPROM, EEPROM, FLASH, OR BATTERY-BACKED SRAM)
- IN-CIRCUIT EEPROM/FLASH PROGRAMMING (SOLID STATE DISK AND BIOS MEMORY)
- WATCHDOG TIMER CIRCUIT
- RS-485 OPERATION AVAILABLE ON COM2
- POWER MANAGEMENT SUPPORT: PROGRAMMABLE SYSTEM CLOCK, PERIPHERAL POWER CONTROL FOR VGA, NETWORK, PC/AT I/O, SOLID STATE DISK

ELECTRICAL

- 5 VOLT ONLY, OR 5 AND 12 VOLT OPERATION
- TYPICAL POWER, 5 VOLTS (486SX, 4M DRAM, 1M VIDEO MEMORY): 33MHZ: 1.5A (PERIPHERALS ON); 8MHZ: 0.85A (PERIPHERALS ON); 8MHZ: 0.6A (PERIPHERALS OFF)

- ON-BOARD CONVERTERS FOR FLASH PROGRAMMING AND RS-232
- 12 VOLTS REQUIRED FOR SOME FLAT PANELS

MECHANICAL

- Size: 5.75" x 8" x 1"
- Add 0.75" (19 mm) vertical for each additional PC/104 adapter, typical
- Weight: 11 oz. (312 gm)

ENVIRONMENTAL

- 0° to 70° C operating temperature with CPU heat sinking
- -55° to 85° C storage temperature
- 5% to 95% relative humidity (non-condensing)

WARRANTY

- 2 year limited warranty



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Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

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